

## EAST Search History

| Ref # | Hits   | Search Query   | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|--------------------|------------------|---------|------------------|
| S1    | 1      | "20050245276"  | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/20 09:43 |
| S2    | 15     | TORSNER\$-JOHAN.inv.   | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/15 18:51 |
| S3    | 0      | "2003007490"   | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/18 12:17 |
| S4    | 0      | ("2003007490").PN.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/12/18 12:17 |
| S5    | 1      | "20030007490"  | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/19 15:17 |
| S6    | 5387   | 375/354 or 375/357 or 455/502  | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/19 09:16 |
| S7    | 79251  | (prevent\$3 or avoid\$3) near3<br>(decipher\$3 or error or failure\$1)   | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/19 15:14 |
| S8    | 133    | sequence near5 error near3<br>protect\$3                                 | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/19 15:20 |
| S9    | 1      | S6 and S7 and S8   | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/19 09:27 |
| S10   | 301    | S6 and S7  | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/19 14:50 |
| S11   | 197    | S10 and sequence   | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/19 09:28 |
| S12   | 27     | S10 and (sequence adj1 number)   | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/19 14:51 |
| S13   | 234260 | (prevent\$3 or avoid\$3) same<br>(decipher\$3 or error or failure\$1)    | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/19 15:14 |
| S14   | 145853 | (prevent\$3 or avoid\$3) with<br>(decipher\$3 or error or failure\$1)    | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/19 15:15 |
| S15   | 27     | S6 and S12 and S14   | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/19 15:15 |
| S16   | 12     | time adj2 interval\$1 near3<br>transmission adj2 block\$1 and<br>integer | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/20 09:47 |
| S18   | 5387   | 375/354 or 375/357 or 455/502  | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/20 09:48 |
| S19   | 0      | S16 and S18  | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/20 09:48 |
| S20   | 14     | S18 and interval\$1 with<br>transmission same integer                    | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/20 10:21 |
| S21   | 0      | interval\$1 with transmission near2<br>block same transfort same integer | US-PGPUB;<br>USPAT | OR               | ON      | 2006/12/20 10:25 |

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|     |       |  |                    |    |    |                  |
|-----|-------|--|--------------------|----|----|------------------|
| S22 | 0     | interval\$1 with transmission near2<br>block same transport  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 10:25 |
| S23 | 0     | interval\$1 with transmission near2<br>block with transport  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 10:25 |
| S24 | 61    | transmission near2 time near2<br>interval\$1 near3 transport near<br>format                              | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 13:34 |
| S25 | 2261  | transmission near2 time near2<br>interval\$1 near2 weight\$2 transport<br>near format                    | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 13:40 |
| S26 | 25    | S18 and S25  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 13:35 |
| S27 | 0     | transmission near2 time near2<br>interval\$1 near2 weight\$2 near3<br>transport near format              | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 13:41 |
| S28 | 3086  | transmission near2 time near2<br>interval\$1 or TTI near2 weight\$2<br>near3 transmission near2 block\$1 | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 13:47 |
| S29 | 64    | S18 and S28  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 13:45 |
| S30 | 633   | S28 and integer  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 13:46 |
| S31 | 3086  | transmission near2 time near2<br>interval\$1 or TTI with weight\$2<br>near3 transmission near2 block\$1  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 13:59 |
| S32 | 41    | 455/502 and S31  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 13:48 |
| S37 | 870   | sequence adj1 number near2<br>great\$3 estimat\$3 near4<br>disregarded                                   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 15:28 |
| S38 | 1     | sequence adj1 number near2<br>great\$3 near3 estimat\$3 near4<br>disregarded                             | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 15:29 |
| S39 | 2     | sequence adj1 number near2<br>great\$3 near3 estimat\$3  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 15:38 |
| S40 | 0     | SN<SN same HFN   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 15:36 |
| S41 | 328   | greater near sequence adj1 number  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 15:46 |
| S42 | 0     | S18 and greater near sequence<br>adj1 number   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 15:46 |
| S43 | 0     | S18 and S41  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 15:46 |
| S44 | 33261 | sequence adj1 number   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 15:46 |

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|     |       |   |                    |    |    |                  |
|-----|-------|---|--------------------|----|----|------------------|
| S45 | 63    | sequence adj1 number same HFN   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:03 |
| S46 | 5     | S18 and S45   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 15:51 |
| S47 | 0     | sequence adj1 nubmer near3<br>update near3 HFN  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:05 |
| S48 | 0     | (sequence adj1 nubmer) near3<br>update near HFN   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:06 |
| S49 | 0     | (sequence adj1 nubmer) near3<br>updat\$3 near5 HFN  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:06 |
| S50 | 34920 | (sequence adj1 number) less adj1<br>than same updat\$3 HFN or (hyper<br>adj1 frame adj1 number)       | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:15 |
| S51 | 215   | S18 and S50   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:12 |
| S52 | 33264 | (sequence adj1 number) less adj1<br>than same updat\$3 near3 HFN or<br>(hyper adj1 frame adj1 number) | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:16 |
| S53 | 215   | S18 and S52   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:17 |
| S54 | 55    | (sequence adj1 number or SN)<br>near5 (HFN or hyper adj1 frame<br>adj1 number)                        | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:22 |
| S55 | 378   | (sequence adj1 number or SN)<br>same (HFN or hyper adj1 frame<br>adj1 number)                         | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 17:16 |
| S56 | 8     | (sequence adj1 number or SN)<br>same updat\$2 same (HFN or hyper<br>adj1 frame adj1 number)           | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:51 |
| S57 | 0     | (sequence adj1 number or SN) adj2<br>updat\$2 adj3 (HFN or hyper adj1<br>frame adj1 number)           | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:45 |
| S58 | 1     | (sequence adj1 number or SN) adj2<br>updat\$2 near5 (HFN or hyper adj1<br>frame adj1 number)          | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:46 |
| S59 | 3     | (sequence adj1 number or SN)<br>near5 updat\$2 near5 (HFN or hyper<br>adj1 frame adj1 number)         | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:46 |
| S60 | 18    | sequence adj1 number near3<br>agreed or approved near3 HFN  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:56 |
| S61 | 0     | sequence adj1 number near3<br>(agreed or approved) near3 HFN  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 16:57 |
| S62 | 0     | sequence adj1 number near3<br>update near3 HFN  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 09:46 |
| S63 | 47    | (sequence adj1 number or SN)<br>same disregarded  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 17:19 |

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|     |        |   |                    |    |    |                  |
|-----|--------|---|--------------------|----|----|------------------|
| S64 | 16     | (sequence adj1 number or SN)<br>near5 disregarded   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 17:52 |
| S65 | 49381  | compar\$3 with threshold with value   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 18:03 |
| S66 | 357    | S18 and S65   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 17:57 |
| S67 | 693    | compar\$4 with threshold and S18  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/20 18:04 |
| S68 | 2      | (sequence adj1 number) near5<br>update near5 (HFN or Hyper adj1<br>frame adj1 number)                           | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 09:48 |
| S69 | 3      | (sequence adj1 number) near5<br>update\$3 near5 (HFN or Hyper adj1<br>frame adj1 number)                        | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 10:22 |
| S70 | 123686 | (sequence adj1 number) near5<br>update\$3 or inform or revise near5<br>(HFN or Hyper adj1 frame adj1<br>number) | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 09:51 |
| S71 | 1347   | (sequence adj1 number) near5<br>update\$3 or inform near5 (HFN or<br>Hyper adj1 frame adj1 number)              | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 09:53 |
| S72 | 68     | (sequence adj1 number) near5<br>(update\$3 or inform) near5 HFN or<br>(Hyper adj1 frame adj1 number)            | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 09:57 |
| S73 | 0      | (sequence adj1 number) near5<br>(update\$3 or inform) near5 (Hyper<br>adj1 frame adj1 number)                   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 09:57 |
| S74 | 0      | (sequence adj1 number) near5<br>inform near5 (Hyper adj1 frame<br>adj1 number)                                  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 09:57 |
| S75 | 68     | update\$3 adj3 HFN or (hyper adj1<br>frame adj1 number)   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 10:07 |
| S76 | 1      | update\$3 adj3 (hyper adj1 frame<br>adj1 number)  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 10:08 |
| S77 | 1      | update\$3 adj5 (hyper adj1 frame<br>adj1 number)  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 10:11 |
| S78 | 1      | update\$3 near5 (hyper adj1 frame<br>adj1 number)   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 10:11 |
| S80 | 38     | PDU near3 lost near3 transmission   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 10:24 |
| S81 | 2      | integer near5 equal near5 length<br>near5 sequence adj1 number  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 14:01 |
| S82 | 717    | modulo near2 integer  | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 14:02 |
| S83 | 943    | length near4 sequence adj1 number   | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 14:02 |

## EAST Search History

|     |    |             |                    |    |    |                  |
|-----|----|-------------|--------------------|----|----|------------------|
| S84 | 11 | S82 and S83 | US-PGPUB;<br>USPAT | OR | ON | 2006/12/21 14:03 |
|-----|----|-------------|--------------------|----|----|------------------|